# United States Patent [19]

## **Fullerton**

[11] Patent Number:

4,979,186

[45] Date of Patent:

Dec. 18, 1990

## [54] TIME DOMAIN RADIO TRANSMISSION SYSTEM

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a part interest

[\*] Notice: The portion of the term of this patent subsequent to Mar. 14, 2006 has been

disclaimed.

[21] Appl. No.: 322,538

[22] Filed: Mar. 13, 1989

## Related U.S. Application Data

[63] Continuation-in-part of Ser. No. 10,440, Feb. 3, 1987,
 Pat. No. 4,813,057, which is a continuation-in-part of
 Ser. No. 677,597, Dec. 3, 1984, Pat. No. 4,641,317.

[51]	Int. Cl.5	 H04B	15/00;	H04K	1/00

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### [57] ABSTRACT

A time domain communications system wherein time modulated, impulse derived signals are multiplied by a template signal, integrated, and then demodulated. By this process, usable signals are obtained which would be otherwise obscured by noise.

### 23 Claims, 5 Drawing Sheets

